

Michael O. Leavitt Governor Kathleen Clarke Executive Director Lowell P. Braxton Division Director 1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax) 801-538-7223 (TDD)

May 17, 2000

CERTIFIED RETURN RECEIPT Z 403 013 806

Neldon Kunz Mine Superintendent American Gilsonite Company Bonanza Operations HC 73 Box 28 Vernal, Utah 84078-9284

Re:

Tentative Approval of I-12 Amendment, American Gilsonite Company (AGC), Bonanza Operations, M/047/010, Uintah County, Utah

Dear Mr. Kunz:

The Division has completed a review of your submissions received January 12, 2000, April 24, 2000, and faxes of May 5<sup>th</sup> and 8th, 2000, describing your proposed I-12 operations on state lease ML-851 in Uintah County, Utah. The Division has categorized this proposal as an amendment to the existing large mine operation notice of intention. We have received a copy of the April 13, 2000 letter from the Trust Lands Administration granting approval of this proposal provided the Division has also granted approval. We understand that in order to achieve production from this lease by the end of the year American Gilsonite will need to begin sinking the shaft in May.

The last permitting action affecting the large mine operation notice was the Wagon Hound 3 and 7 amendment (WH-3 WH-7) approved by the Division on 12/9/98. No adjustment to the reclamation surety was required for that amendment because formal release of reclaimed sites prevented any net increase in the total disturbed area. The last reclamation bonding adjustment was performed in 1994 when the previous detailed estimate of 1992 was escalated five years to 1999 dollars. The 1992 reclamation cost estimate included 23 satellite mine sites. The 1994 estimate was due for a detailed five year review in 1999.

We have performed a detailed review of the reclamation cost estimate in connection with the review of this I-12 amendment. The latest estimate includes 41 satellite mine sites based on the summary listing of May 16, 2000, prepared by the Division and reviewed by AGC. The current reclamation surety estimate for the Bonanza Operations is \$844,000 escalated to year 2005 dollars. A copy of the revised estimate is attached for your review.

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After reviewing the amendment submissions, we are prepared to offer tentative approval of the I-12 amendment. In order to achieve final approval, AGC will need to address the minor comments described below, and provide us with an acceptable form and amount of reclamation surety with a completed Reclamation Contract (Form MR-RC). Copies of the current reclamation contract and surety will be enclosed with our hard copy of this letter. Our review comments are listed below under the applicable Minerals Rule heading. Please format your response in a similar fashion.

We will suspend further processing of this amendment until your response to this letter is received. If you have any questions regarding this letter please contact me, Tony Gallegos, or Doug Jensen of the Minerals Staff. If you wish to arrange a meeting to discuss this review, please contact us at your earliest convenience. Thank you for your cooperation in completing this permitting action.

Sincerely,

D. Wayne Hedberg Permit Supervisor

Minerals Regulatory Program

jb

Attachments: Review Comments, Reclamation Surety Estimate,

Summary listing of mine sites

Enclosure: copy of existing MR-RC & surety, blank MR-RC & surety forms

Will Stokes, SITLA (ML-851) w/attachments

Mary Ann Wright, DOGM O:\REVIEW\m47-10amend-rvw.wpd

### REVIEW OF NOTICE OF INTENTION TO COMMENCE LARGE MINING OPERATIONS

## American Gilsonite Company Bonanza Operations, I-12 Amendment May 16, 2000 M/047/010

### R647-4-104 - Filing Requirements and Review Procedures

This proposal for the I-12 mine on ML-851 has been categorized by the Division as an amendment to the existing large mine operation notice of intention.

### R647-4-105 - Maps, Drawings & Photographs

## 105.2 Surface facilities map

The proliferation of satellite mine sites has made it difficult to track the number of sites, their locations and operational status. Please provide one map (or a series of maps) which include the location and disturbed area of all the satellite mine sites within the next 45 days. The scale of the map(s) should be sufficient to show detail of facilities located at each site. The map(s) should show all sites (active, inactive, reclaimed, released, etc.) associated with the American Gilsonite Company operations. (DJ)

## R647-4-106 - Operation Plan

## 106.6 Plan for protecting & redepositing soils

Under the heading of "III Operation Plan (Rule 647-4-106)", the submission describes 500 tons of rock as being disposed of in a large mud pit and covered with topsoil. Please describe where this topsoil will come from. Please show the location of any proposed borrow sites on the surface facilities map. (LK)

#### R647-4-109 - Impact Assessment

### 109.1 Impacts to surface & groundwater systems

Please describe where water pumped from the underground workings will be discharged and show this location on the surface map. Please describe how the water will be conveyed. Will this groundwater pumping affect the final reclamation of the site? Please explain why or why not. (DJ)

#### R647-4-112 - Variance

No variances were specifically applied for in this submission, but no topsoil salvage or stockpiling is proposed for the mine site. Justification for a variance from the Minerals Rules regarding soil salvage and replacement was provided by AGC in the May 5, 2000, fax correspondence. A reason why AGC is not proposing topsoil salvage is because the soils are very shallow and rocky with an average depth of less than two inches in most places. Based on AGC's experience at other similar sites, the best revegetation results can be achieved by relieving compaction of the site and then seeding. Concrete footers are placed on top of the ground and the site requires a minimal amount of grading.

The Division will grant a variance from the practice of salvaging topsoil at the I-12 mine site. This variance does not relieve AGC from the revegetation success standard at the site based on

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premining vegetative cover, or cover of an adjacent undisturbed area. This variance does not necessarily apply to other AGC mine sites. (DJ, AG)

#### R647-4-113 - Surety

This proposal indicated that no increase in surety should be required since similar sites have been reclaimed and the total acreage will not increase. Based on the Division's most recent Summary of Mine Sites and Acreage dated May 16, 2000, the number of sites has increased and the disturbed acreage has also increased.

The Division has revised the reclamation surety estimate to include the I-12 site and also to reflect this latest summary of mine sites and acreages. The number of mine sites increased from 23 sites listed in the 1992 estimate to 41 in the May 16, 2000 listing. Two sites have been identified by AGC as being candidates for immediate reclamation release. Several other sites described as requiring minimal reclamation have also been suggested as candidates for release; however, these sites cannot be released until a documented site inspection has been performed. Two of the 41 sites listed are bonded with SITLA. The Division has recognized these two bonds and reduced the number of "typical gilsonite sites" in the calculation accordingly. The reclamation cost estimate for the WH-3 and WH-7 sites included blasting the vein closed as part of final reclamation. The Division has omitted these two sites from the calculations for the "typical gilsonite site" and used the AGC cost estimate for these sites provided in the May 22, 1998 response.

This revised estimate includes five years of escalation as directed by our Board. This revised estimate will be due for another detailed review in the year 2005, unless modifications are made to the approved large mine notice before then. The current surety amount estimated by the Division for AGC's Bonanza Operations is \$844,000 in year 2005 dollars. Please review the attached reclamation surety estimate and summary listing of mine sites and acreages for accuracy.

#### R647-4-115 - Confidential Information

No confidential information was noted in this submission. (DJ)

## RECLAMATION ESTIMATE 'EVISION

American Gilsonite Company (AGC)

**Bonanza Gilsonite Operations** M/047/010

page 1 of 3 **Uintah County** 

page name "per\_site"

ame m47-10y5.wb3

last revision

16-May-2000

# Prepared by Utah State Division of Oil, Gas & Mining

### **Reclamation Details**

- -Quantities & units in this estimate are from AGC's reformatted mine permit received Aug. 11, 1992.
- -Reclamation of all satellite mine sites & the main processing facilities is included in this estimate.
- -Unit costs were updated using the Rental Rate Blue Book & Means 2000 Heavy Construction Cost Data.
- -Number of satellite mine sites & acreages is based on the Division's summary listing of May 12, 2000.
- -31 1-acre site w/equip, 6 ½-acre escapeways, 1 1.4-acre site w/equip, 2 2-acre sites w/equip, 1 3-acre site w/equip
- -Total number of mine sites was 46; 5 sites were reclaimed & released; presently 41 active sites affecting 42.54 acres.
- -This estimate uses reclamation costs based on reclaiming a typical 1.0 acre gilsonite mine site.
- The 5/12/00 summary listing identifies 2 reclaimed 1-acre sites being candidates for release in year 2000.
- -No post-mining use of structures was assumed, reclamation involves total removal/demolition of all structures
- -Disturbed acreage = mine sites 42.54 acres, roads 43 acres, facilities area 31.2 acres =

116.74

- -I-30 bond with SITLA, ML31934 for \$10,000 (½ for reclamation); E-31 ML-31999 \$5,000 (½ for reclamation).
- -To avoid double bonding, DOGM recognized SITLA bonding & omitted 1 site & 1 escapeway.
- -AGC has a statewide bond posted with BLM for \$120,000 for federal leases; specific reclamation amounts are unknown.
- -Sites WH-3 & WH-7 to be reclaimed by blasting the vein closed; used AGC cost estimate of \$70,000.
- -Escapeway sites of 0.5 acre each were broken out from the number of "typical mine sites".

-Number of typical sites for estimation purposes = (41 sites)-					32.
<u>Description</u>	<b>Quantity</b>	<u>Units</u>	<u>\$/Unit</u>	<u> </u>	<u>note</u>
Reclamation Per Typical Gilsonite Mine Site					
Dismantling - crane	4	hr	199.19	797	(1)
Dismantling - crane operator	4	hr	41.43	166	(2)
Dismantling - laborers	16	hr	34.73	556	(3)
Dismantling - dozer	4	hr	147.57	590	(4)
Dismantling - dozer operator	4	hr	40.87	163	(5)
Shaft capping - laborer	16	hr	34.73	556	(3)
Shaft capping - supplies, materials	1	ea	800.00	800	(6)
Reclaiming - dozer	4	hr	147.57	590	(5)
Reclaiming - dozer operator	4	hr	40.87	163	(3)
Reseeding - mtls: seed/mulch/fertilizer	1	acre	280.00	280	(7)
Reseeding - apply mulch & fertilizer	1	acre	56.00	56	(8)
Reseeding - tractor & seed drill	2	hr	60.00	120	(9)
Reseeding - tractor operator	2	hr	34.73	69	_ (3)
Subtotal per mine site (rounded)				4,907	
	#sites		\$/site	<u>\$</u>	
"typical mine sites" (5/12/00 list by DOGM)	32		4,907	157,018	
5 sites without equipment escapeway only	5		1,279	6,396	
0 sites reseeding only	o		619	0	ł
1 site & 1 escapeway bonded with SITLA	2		0	0	
WH-3 & WH-7 sites - blasting vein closed	2		35,000	70,000	_
SUBTOTAL - ALL MINE SITES	41	<del>-</del>		\$233,414	_
average cost per mine site =	\$5,693				

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Bonanza Gilsonite Operations	Uintah County	last revision	16-May-2000	
M/047/010	•			
Prepared by Utah State Division of Oil, Gas & Mining	s & Mining			
note	unit cost details			
	changes to unit costs here ripple through other sheets	s here ripple throug	h other sheets	
(1)	Blue Book pg 13-4, Grove RT750, 110 boom, 50 MT, 177 hp	Grove RT750, 110 k	300m, 50 MT, 177 h	۵
(2)	Means 2000, equip operator (crane), crew B-12H	operator (crane), cre	ew B-12H	
(3)	Means 2000, laborer, crew A-2	r, crew A-2		
(4)	Blue Book pg 9-43, Cat D9N, U blade, EROPS, 370 hp	Cat D9N, U blade, E	EROPS, 370 hp	
(5)	Means 2000, equip operator (dozer), crew B-10B	operator (dozer), cre	ew B-10B	
(3)	Means 2000, laborer, crew A-2	r, crew A-2		
(9)	Adjusted \$600-1992 to year 2000 using actual escalation	to year 2000 using	actual escalation	
(2)	Means 2000, equip operator (dozer), crew B-10B	operator (dozer), cre	ew B-10B	
(3)	Means 2000, laborer, crew A-2	r, crew A-2		
(2)	Division estimate; \$1	130/acre seed @ 15	ib/acre, \$100/acre	Division estimate; \$130/acre seed @ 15 lb/acre, \$100/acre mulch @ 2 ton/acre, fertilizer \$50/acre @ 100 lb/acre
(8)	Adjusted \$56/acre-1	992 to year 2000 us	\$56/acre-1992 to year 2000 using actual escalation	
(6)	Adjusted \$48/hr-199	\$48/hr-1992 to year 2000 using actual escalation	g actual escalation	
(3)	Means 2000, laborer, crew A-2	r, crew A-2		

RECLAMATION ESTIMATE EVISION

American Gilsonite Company (AGC)

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Bonanza Gilsonite Operations **Uintah County** 

M/047/010

Prepared by Utah State Division of Oil, Gas & Mining

<b>OPERATIONAL FACILITIES</b>	\$/Unit		# Units	Cost(\$)	<u>note</u>
Ten laborers	2,778	\$/day	42	116,693	(3)
Two dozers	2,361	\$/day	21	49,584	(4)
Two dozer operators		\$/day	21	13,732	(5)
One crane	1,594	\$/day	42	66,928	(1)
One crane operator	331	\$/day	42	13,920	(2)
Tractor trailers	10,858	\$/mo	2	21,716	(10)
Tractor trailer operators	271	\$/day	42	11,374	(11)
One FE loader	326	\$/day	42	13,695	(12)
One FE loader operator	327	\$/day	42	13,732	(13)
Seed, mulch, fertilizer	280	\$/acre	24.6	6,888	(7)
Applying mulch & fertilizer		\$/acre	24.6	1,378	(8)
One farm tractor & seed drill	480	\$/day	2	960	(9)
One tractor operator	278	\$/day	2	556	(3)
Subtotal operational facilities				\$331,155	-
ROADS					
Motor grader	851	\$/day	3	2,554	(14)
Motor grader operator	346	\$/day	3	1,037	(15)
Seed, mulch, fertilizer		\$/acre	43	12,040	(7)
Applying mulch & fertilizer		\$/acre	43	2,408	(8)
One farm tractor & seed drill	480	\$/day	2	960	(9)
One tractor operator	278	\$/day	2	556	(3)
Subtotal roads				\$19,554	
STORAGE PONDS, PADS, RESER	VOIRS				
One dozer	1,181	\$/day	6	7,083	(4)
One dozer operator	327	\$/day	6	1,962	(5)
Seed, mulch, fertilizer	280	\$/acre	4.3	1,204	(7)
Applying mulch & fertilizer	56	\$/acre	4.3	241	(8)
One farm tractor & seed drill	480	\$/day	2	960	(9)
One tractor operator	278	\$/day	2	556	(3)
Subtotal ponds, pads reservoirs				\$11,450	

RECLAMATION ESTIMATE REVISION  American Gilsonite Company (AGC) page 2 of 3  Bonanza Gilsonite Operations Uintah County  M/047/010  Prepared by Utah State Division of Oil, Gas & Mining	unit cost details  Means 2000, laborer, crew A-2 Blue Book pg 9-43, Cat D9N, U blade, EROPS, 370 hp Means 2000, equip operator (dozer), crew B-10B Blue Book pg 13-4, Grove RT750, 110 boom, 50 MT, 177 hp Means 2000, equip operator (crane), crew B-12H Blue Book, pg 20-5, on-hwy truck tractor 6X4 +equipment trailers pg 19-3, 20ft long, 4 axles, 75 ton capacity Means 2000, truck driver (heavy), crew B-34A Blue Book, pg 9-27, Cat 950G, 180 hp, 4 CY Means 2000, equip operator (med), crew B-10U Division estimate; \$130/acre seed @ 15 lb/acre, \$100/acre mulch @ 2 ton/acre, fertilizer \$50/acre @ 100 lb/acre Adjusted \$56/acre-1992 to year 2000 using actual escalation Means 2000, laborer, crew A-2	Blue Book, 3Q99, pg 9-1, Cat 16H grader,16' moldboard, 275 hp Means 2000, crew B-32, equip operator (med) Division estimate; \$130/acre seed @ 15 lb/acre, \$100/acre mulch @ 2 ton/acre, fertilizer \$50/acre @ 100 lb/acre Adjusted \$56/acre-1992 to year 2000 using actual escalation Adjusted \$48/hr-1992 to year 2000 using actual escalation Means 2000, laborer, crew A-2	Blue Book pg 9-43, Cat D9N, U blade, EROPS, 370 hp Means 2000, equip operator (dozer), crew B-10B Division estimate; \$130/acre seed @ 15 lb/acre, \$100/acre mulch @ 2 ton/acre, fertilizer \$50/acre @ 100 lb/acre Adjusted \$56/acre-1992 to year 2000 using actual escalation Adjusted \$48/hr-1992 to year 2000 using actual escalation Means 2000, laborer, crew A-2
RECLAMATION ESTIMATE REVISION American Gilsonite Company (AGC) Bonanza Gilsonite Operations Uintah M/047/010 Prepared by Utah State Division of Oil, C			
SLAMATION E erican Gilsonite anza Gilsonite M/047/010 pared by Utah	(2) (2) (1) (1) (2) (3) (3) (3) (3) (3) (4) (4) (5) (5) (6) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	(14) (15) (7) (8) (9) (3)	(4) (5) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8
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M/047/010

**Uintah County** 

Prepared by Utah State Division of Oil, Gas & Mining

RESIDENTIAL AREA	\$/Unit		# Units	Cost(\$)	note
One Dozer	1180.56	\$/day	5	5,903	(4)
One dozer operator	326.96	\$/day	5	1,635	(5)
One FE loader	326.08	\$/day	5	1,630	(12)
One FE loader operator	326.98	\$/day	5	1,635	(13)
One tractor trailer	633.00	\$/day	2	1,266	(10)
One tractor trailer operator	270.80	\$/day	2	542	(11)
Ten laborers	2778.40	\$/day	12	33,341	(3)
Seed, mulch, fertilizer	280.00	\$/acre	2.3	644	(7)
Applying mulch & fertilizer	56.00	\$/acre	2.3	129	(8)
One farm tractor & seed drill	480.00	\$/day	1	480	(9)
One farm tractor operator	277.84	\$/day	1	278	(3)
Subtotal residential area				\$47,482	-

RECLAMATION SUMMARY		acreage		COSTS	
ACTIVE MINE SITES		35.44		\$157,018	
MINE SITES w/out EQUIP(escapew	vays)	3.00		\$6,396	
MINE SITES - blasting vein closed		4.10		\$70,000	
OPERATIONAL FACILITIES		24.60		\$331,155	
ROADS		43.00		\$19,554	
STORAGE PONDS, PADS & RESE	RVOIRS	4.30		\$11,450	
RESIDENTIAL AREA		2.30		\$47,482	
	total acreage	116.74			
PROJECT SUPERVISION		5 weeks	\$1,930	\$9,650	(16)
MOBILIZATION (5 equipment)		5 each	\$1,000	\$5,000	(17)
	SUBTOTA	AL.		\$657,706	
	+ 10% CC	NTINGENC	Υ	\$65,771	
	SUBTOTA	<b>AL 2000-\$</b>		\$723,476	
	+ 5 yr ES	CALATION (	(3.13%)	\$120,537	
	TOTA	L		\$844,014	
	ROUNDE	D TOTAL IN	2005-\$	\$844,000	
Average cost per acre =	7,23	0 \$/acre			

RECLAMATION ESTIMATE REVISION American Gilsonite Company (AGC) Bonanza Gilsonite Operations page 3 of 3 M/047/010 Uintah County Prepared by Utah State Division of Oil, Gas & Mining	VISION filename m47-10y5.wb3 3C) page name "summary" page 3 of 3 last revision 05/16/00 Uintah County of Oil, Gas & Mining
(4) (5) (12) (13) (13) (14) (17) (19) (3) (3) (3) (3) (3) (3) (4)	Blue Book pg 9-43, Cat D9N, U blade, EROPS, 370 hp Means 2000, equip operator (dozer), crew B-10B Blue Book, pg 9-27, Cat 950G, 180 hp, 4 CY Means 2000, equip operator (med), crew B-10U Blue Book, pg 20-5, on-hwy truck tractor 6X4 +equipment trailers pg 19-3, 20ft long, 4 axles, 75 ton capacity Means 2000, truck driver (heavy), crew B-34A Means 2000, laborer, crew A-2 Division estimate; \$130/acre seed @ 15 lb/acre, \$100/acre mulch @ 2 ton/acre, fertilizer \$50/acre @ 100 lb/acre Adjusted \$56/acre-1992 to year 2000 using actual escalation Adjusted \$48/hr-1992 to year 2000 using actual escalation Means 2000, laborer, crew A-2 Means 2000, laborer, crew A-2
(16) (17)	Means 2000, project manager, 01300-700-0180, minimum \$1,930/wk Division general estimate of mobilization & demob of \$1,000 per piece of heavy equip

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white river 24 white river 20 white river 23 white river 23 white river 24 white river 22 white river 25 white river 21 break of day cumberland rangely bell rangely bell U-0126940 ML-31934 lease no. claim or big chief triumph hilltop oothil 05/10/96 water discharge/pump removed; need shaft cap 05/10/96 inactive; bond held by BLM? SITLA exchange E23 changed to E-30W;active escapeway 05/10/96 inactive/1994 recla?/compressor onsite development 1994; bond held by SITLA active-escapeway(adjusted to 0.5 acre) active-escapeway(adjusted to 0.5 acre) Mine sites operated by American Gilsonite Company based on DOGM files, 5/5/00 & 5/8/00 info from AGC. proposed 4/24/00 amendment; new site - 5/5/00 information 05/10/96 inactive 05/10/96 pump station/equip removed 05/10/96 abandoned - escape Sites LE-17, LE-18 assumed to be included in LE-19 site for a total of 3.0 acres of disturbance. inactive/1995 recla? Bond posted with the Division is \$324,900 in 1999-\$ for a total disturbance of 107.2 acres. active, ponds? Previously active sites which are now reclaimed and released are included in this listing. Disturbance for 2/98 amendment (WH-3 & 7) of 4.1 acres distributed between sites. inactive inactive 05/10/96 inactive 05/10/96 inactive 05/10/96 inactive status active active active Blue shading and small font indicates this site has been reclaimed and released. active Some sites are included in the DOGM permit, but bonded with another agency. May 16, 2000 inspection last DOGM Yellow shading indicates highlighted information in the 1998 listing Pink shading & bold font indicates new AGC info from 5/5/00 or 5/8/00. ML-31999 ML-851 filename: m47-10ac.wb2 Sites are grouped according to vein name rather than location. \$10,000 SITLA? verify acreage? bond amount other agency \$5,000 SITLA last revision SUMMARY OF MINE SITES & ACREAGE held by BLM-ex DOGM pooq American Gilsonite Company acreage 0.5 0. 1.0 1.0 0.5 1.0 1.0 0.5 0. 4:4 1.0 0. 1.0 <del>.</del>0 0. 0.5 0.5 1.0 0. 1.0 1.0 1.0 BLM-exch patented patented property patented pre-law SITLA FEE FEE 肥 BLM M/047/010 E-30W mine E-14 E-15 E-28 E-29 E-30 B-14 B-16 B-40 E-27 B-38 site B-42 E-31 -15 1-16 -18 1-12 

WH-3	BIM	2.1				proposed 2/08: Plact voin as need of modernedies	07.1
WH-7	BIM	20	- 2			proposed 2/36; plast vein as part of reclamation	U-060/49
, W						proposed 236, biast Vein as part of reciamation	0-000/49
W/H 45		200	C		10/29/97	DIVISION RELEASED 1.0 12/8/98; NEED BLM RELEASE	U-073071
Z1-LIAA	Т	o:			05/10/86	US/10/96 need cleanup & seeding	U-073071
WH-1/	FEE	1.0	5	5	05/10/96	05/10/96 new site - 5/5/00 information	خ
LE-3	FEE	0.0	DOGM		05/10/96	05/10/96 released 1.0 6/15/88	6
LE-4	FEE	1.0	DOGM		05/10/96	1991 recla?/candidate for release 5/5/00	2
LE-5	BLM	1.0	DOGM		05/10/96	inactive	U-0126938
F-6	BLM	1.0	DOGM		05/10/96 inactive	nactive	11-0126938
LE-7	BLM	0.5	2			1992 development	11-0126938
LE-10	FEE	1.0				pre-law site reactivated - 5/5/00 information	0000
LE-16	patented	1.0	<i>د</i> .	2	05/10/96	05/10/96 to be reclaimed - 5/5/00 information	ahveinia
	patented	0.0	د.	5		LE-17: old site: reopened as part of LE-19?	alexandria
	patented	0.0	۲	ć	05/10/96	05/10/96 LE-18: old site: reonened as nart of I E-192	alexandria
LE-19	patented	3.0	DOGM		05/10/96	05/10/96 old site: reonened with 1 E-17 1 E-18: 3 acres?	actoroid
LE-20	خ	1.0	٥	۲.	05/10/96	05/10/96 need seeding	asteroid
	patented	0.0	DOGM	خ	05/10/96	05/10/96 LE:19:rec/a 1996?duplicate?5/5/00 info savs omit alexandria	alexandria
							5
PW-3	patented	0.0	MĐOG		1 86/20/80	08/03/98 RELEASED 1.0 12/8/98	puck
PW-4	patented	0.0	DOGM		1 86/03/38	08/03/98 RELEASED 1.0 12/8/98	bald eagle
H-1	FEE	0.0	DOGM		1 86/20/80	08/03/98 RELEASED 1.0 12/8/98	٥
H-2	FEE	1.0	DOGM		05/10/96	05/10/96 inactive/ needs concrete cap & seeding	٤
H-10	patented	1.0	DOGM			1994 recla?	merrimac
논	patented	7.0	5	ن	02/10/96	05/10/96 reclaimed/ candidate for release 5/5/00 info	turtle
R-2	patented	1.0	DOGM			reclaimed/replace concrete cap 5/5/00 info	tennessee
R-3	patented	1.0	DOGM		05/10/96	05/10/96 reclaimed/leased to UBET Cellular 5/5/00 info	tennessee
R4	patented	1.0	DOGM		05/10/96	05/10/96 needs 2 small concrete caps 5/5/00	turtle
46	46 total sites	42.54	acres				
	5 sites reclaimed & released	& released					
J	6 0.5 acre sites (escapeway only or other type)	scapeway on	ly or other type	(a)			
ņ	31 1.0 acre sites						
	1 1.4 acre sites						
	1 2.1 acre site						
	1 2.0 acre site						

1 3.0 acre sites